

BAB IX DAFTAR PUSTAKA

- Ahmadi, Mahidin, Faisal, M., et al. (2021). Cradle-to-gate life cycle assessment of palm oil industry. *IOP Conference Series: Materials Science and Engineering*, 1143(1), 012044.
- Alaux, N., Vařatko, H., Maierhofer, D., et al. (2024). Environmental potential of fungal insulation: A prospective life cycle assessment of mycelium-based composites. *The International Journal of Life Cycle Assessment*, 29(2), 255–272.
- Aries, R. S., & Newton, R. D. (1955). *Chemical Engineering Cost Estimation*. New York: McGraw-Hill Book Company.
- Argonne National Laboratory. (2024). *Life-cycle analysis datasets for regionalized plastic pathways (ANL/ESIA-24/3)*. U.S. Department of Energy.
- Arizona, K., Dyah, T., & Laswati, K. S. (2021). Studi pembuatan marshmallow dengan variasi konsentrasi gelatin dan sukrosa. *AGROTECH*, 3(2).
- Badan Pusat Statistik Kabupaten Pandeglang. (2025, December 29). *Upah minimum menurut kabupaten/kota di Provinsi Banten, 2026*. <https://pandeglangkab.bps.go.id/id/statistics-table/2/mjuwizi=/upah-minimum-menurut-kabupaten-kota-di-provinsi-banten.html>
- Colt, J., & Bouck, G. (n.d.). *Design of packed columns for degassing*.
- Dania D, E. O., Ur, I., Or, O., Ce, O., Tn, N., & Cu, O. (2023). Design of a batch plastic mixer capable of mixing 50 kg of thermoplastic materials and additives. *International Journal of Mechanics of Solids*, 4(1), 21–24. <http://www.mechanicaljournals.com/mechanics-solids>
- De Laurentiis, V., Secchi, M., & Pant, R. (2023). Normalisation in life cycle assessment: Current practice and future perspectives. *The International Journal of Life Cycle Assessment*, 28, 1–16.
- Fantke, P., Chiu, W. A., Aylward, L., Judson, R., Huang, L., Jang, S., Guin, T., Rhomberg, L., Aurisano, N., McKone, T., & Jolliet, O. (2021). Exposure and toxicity

characterization of chemical emissions and chemicals in products: Global recommendations and implementation in USEtox. *The International Journal of Life Cycle Assessment*, 26, 899–915.

Faradila, R., Huboyo, H. S., & Syakur, A. (2023). Rekayasa pengolahan air limbah domestik dengan metode kombinasi filtrasi untuk menurunkan tingkat polutan air. *Jurnal Kesehatan Lingkungan Indonesia*, 22(3), 342–350. <https://doi.org/10.14710/jkli.22.3.342-350>

Fazio, S., Biganzioli, F., De Laurentiis, V., Zampori, L., Sala, S., & Diaconu, E. (2018). *Supporting information to the characterisation factors of recommended EF life cycle impact assessment methods*. European Commission, JRC.

Fitria Ekoputri, S., Rahmatunnissa, A., Nulfaidah, F., Ratnasari, Y., Djaeni, M., & Sari, D. A. (2024). Pengolahan air limbah dengan metode koagulasi flokulasi pada industri kimia. *IX(1)*, 7781–7787.

Franklin Associates. (2018). *Cradle-to-gate life cycle analysis of HDPE resin*. American Chemistry Council.

Frigerio, V., Moliner, C., & Arato, E. (2023). Functional unit definition in LCA: A critical review. *Sustainability*, 15(2), 1234.

Gandhi, N., Farfaras, N., Wang, N.-H. L., & Chen, W.-T. (2021). Life cycle assessment of recycling high-density polyethylene plastic waste. *Journal of Renewable Materials*, 9(8), 1463–1483. <https://doi.org/10.32604/jrm.2021.015529>

Geyer, R., Jambeck, J. R., & Law, K. L. (2017). Production, use, and fate of all plastics ever made. *Science Advances*, 3(7), e1700782. <https://doi.org/10.1126/sciadv.1700782>

Guyomarc'h, F., Sussat, S., Hermant, J. E., et al. (2025). Life cycle inventories and environmental impact datasets for the semi-industrial processing of food faba bean or pea protein ingredients. *Data in Brief*, 112247.

Herawati, E. R. N., Febrisiantosa, A., Ningrum, A., Hendrasty, H. K., Suppavorasatit, I., & Santoso, U. (2024). Physicochemical and functional characteristics of egg white

- powder* as affected by pre-treatment and drying methods. *Food Research*, 8(5), 365–372. [https://doi.org/10.26656/fr.2017.8\(5\).178](https://doi.org/10.26656/fr.2017.8(5).178)
- Hilir Fresh Midstream Direktorat Jenderal Pengendalian Pencemaran dan Kerusakan Lingkungan Kementerian Lingkungan Hidup dan Kehutanan. (2021). *Pedoman penyusunan laporan penilaian daur hidup (LCA)*.
- Jambeck, J. R., Geyer, R., Wilcox, C., Siegler, T., Perryman, M., et al. (2015). Plastic waste inputs from land into the ocean. *Science*, 347(6223), 768–771. <https://doi.org/10.1126/science.1260352>
- Jha, K. T., Shome, A., & Chawla, P. A. (2023). Ziegler-Natta catalysts: Applications in modern polymer science. *SynOpen*, 7(3), 293–296. <https://doi.org/10.1055/S-0040-1720078>
- Kalverkamp, M., Pehlken, A., & Wiezorek, J. (2019). *Eco-efficiency analysis of HDPE resin by integrated LCA and LCC*. ResearchGate.
- Khoo, H. H., Tan, R. B. H., & Yeo, Z. (2021). LCA of plastic waste end-of-life for India and Indonesia. *Resources, Conservation and Recycling*, 174, 105774.
- KLHK. (2021). *Pedoman penyusunan laporan penilaian daur hidup (LCA)*. Kementerian Lingkungan Hidup dan Kehutanan Republik Indonesia.
- Kolmetz, K. (2012). *Static mixer selection, sizing and troubleshooting (Engineering design guidelines)*. KLM Technology Group.
- Kolmetz, K. (n.d.). *Separator Vessels selection, sizing and troubleshooting (Engineering design guidelines)*. KLM Technology Group.
- Kurniawan. (2014). *Hukum perseroan terbatas: Karakteristik, tanggung jawab, dan organ perseroan*. Prenadamedia Group.
- Kumar, Kv., Naga Nikhil, K., Theja, Ks., Sai Sravan, K., & Manoj Kumar, K. (2016). Design and Fabrication of Ackerman Steering Mechanism Combining with ABS. In IJSRD-International Journal for Scientific Research & Development| (Vol. 4). www.ijssrd.com

- Mermertaş, M., & Germirli Babuna, F. (2019). *Life cycle environmental impact analysis of HDPE packaging materials*. Springer.
- Minta, J., BSN, R. SNI, Diturunkan, G., & BSN, I. K. (n.d.). *Brompton yang dipakai PM Inggris tetap harus di-SNI-kan, Kemenperin: Biar adil*.
- Nuratika, E., Indrayani Dalimunthe, G., Sari Lubis, M., & Yuniarti, R. (2020). Formulation and evaluation of marshmallow candy from red grape fruit (*Vitis vinifera* L.). *Journal of Pharmaceutical and Sciences (JPS)*, 5(2), 770–781. <https://doi.org/10.36490/journal-jps.com>
- Paul, E. L., Atiemo-Obeng, V. A., & Kresta, S. M. (2004). *Handbook of industrial mixing: Science and practice*. Wiley-Interscience.
- Puspaningrum, T., Indrasti, N. S., Indrawanto, C., & Yani, M. (2023). Life cycle assessment of coconut plantation, copra, and charcoal production. *Global Journal of Environmental Science and Management*, 9(4), 653–672.
- Rafid, A., Gani, F., Putri, N. A., Habibi, S. S., Antika, D., Nasution, B., & Putri, D. A. (2022). Desalinasi dengan metode evaporasi sebagai penyedia air bersih di Desa Kurandak. *Jurnal Pasopati*, 4(4). <http://ejournal2.undip.ac.id/index.php/pasopati>
- Rahmani, A. (n.d.). *Pengelolaan air dalam industri pangan*. IChemE.
- Reimonn, G., Lu, T., Gandhi, N., & Chen, W. T. (2019). Review of microplastic pollution in the environment and emerging recycling solutions. *Journal of Renewable Materials*, 7(12), 1251–1268.
- Republik Indonesia. (2007). *Undang-Undang Republik Indonesia Nomor 40 Tahun 2007 tentang perseroan terbatas*. Sekretariat Negara Republik Indonesia.
- Reyes-León, A., Velázquez, M. T., Quinto-Diez, P., Sánchez-Silva, F., Abugaber-Francis, J., & Reséndiz-Rosas, C. (2011). The design of heat exchangers. *Engineering*, 3(9), 911–920. <https://doi.org/10.4236/eng.2011.39112>

- Rohana, H., Ahmad, A., & Irwanto, R. (n.d.). Pemanfaatan ekstrak daun *Abelmoschus manihot* L. sebagai flokulan pengolahan air tanah pada kegiatan praktikum kimia analisis lingkungan. *Journal of Laboratory*, 6(3).
- Rohmah, M., Ismail, K., Rahmadani, R., Masitoh, G., & Putri, D. A. P. (2024). Inovasi dan transformasi industri dalam mendorong pertumbuhan ekonomi Indonesia. *Jurnal Neraca: Jurnal Pendidikan dan Ilmu Ekonomi Akuntansi*, 8(1), 43–52. <https://doi.org/10.31851/neraca.v8i1.14391>
- Sauqii, D. A. (n.d.). Analisis kualitas air dalam pemenuhan kebutuhan air di Indonesia pada era 4.0. *International Journal of Evaluation and Research in Education (IJERE)*. <https://doi.org/10.11591/ijere.v99i1.paperID>
- Smith, R. (2016). *Chemical process design and integration* (2nd ed.). Wiley.
- SNI ISO 14040:2016. (2016). *Environmental management—Life cycle assessment—Principles and framework*.
- SNI ISO 14044:2017. (2017). *Environmental management—Life cycle assessment—Requirements and guidelines*.
- Spanton, P. I., & Saputra, A. A. (2017). Analysis of sea water pollution in coastal marine district Tuban to the quality standards of sea water with using STORET method. *Jurnal Kelautan: Indonesian Journal of Marine Science and Technology*, 10(1), 103. <https://doi.org/10.21107/jk.v10i1.2671>
- Sunartaty, R., & Meutia, F. (n.d.). Validation of water content testing method with analysis of accuracy and precision comparison. *Serambi Journal of Agricultural Technology*, 5(1). <http://ojs.serambimekkah.ac.id/index.php/sjat>
- Towler, G., & Sinnott, R. (2022). *Chemical engineering design* (3rd ed.). Elsevier.
- Vindarina Primalasita, D., & Sa, K. (2021). Perancangan tangki penyimpanan nitrogen kapasitas 0,0074 m³ pada prarancangan pabrik kimia asap cair. *Distilat*, 1, 1–10. <http://distilat.polinema.ac.id>

- Wahyono, Y., Sasongko, N. A., Trench, A., et al. (2024). Evaluating the impacts of environmental and human health of the critical minerals mining and processing industries in Indonesia using LCA. *Case Studies in Chemical and Environmental Engineering*, 10, 100987.
- Wahyono, Y., Si, S., & Ling, M. (n.d.). *Life cycle assessment*.
- Xie, T., McAuley, K. B., Hsu, J. C., & Bacon, D. W. (1994). Gas phase ethylene polymerization: Production processes, polymer properties, and reactor modeling. *Chemical Engineering Research*, 33.
- Zhang, D., Wang, H., Li, C., & Meng, H. (2017). Modeling of purge-gas recovery using membrane separation. *Chemical Engineering Research and Design*, 125, 361–366. <https://doi.org/10.1016/j.cherd.2017.07.002>
- Zhong, X., Zhao, X., Qian, Y., & Zou, Y. (2018). Polyethylene plastic production process. *Insight - Material Science*, 1(1), 1. <https://doi.org/10.18282/ims.v1i1.104>